The

Wheeltech

RANGE OF MERCURY ELECTRIC SCOOTERS

CE

OWNER'S MANUAL
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1. PREFACE AND INTRODUCTION

Please carefully read this owner's manual before using the vehicle. Improper use of the vehicle could result in harm, injury or traffic accidents. Therefore for maximum pleasure whilst using the vehicle please read this owner's manual.

- This owner's manual includes operation instructions for every aspect of the vehicle, assembly instructions, as well as instructions for how to deal with possible accidents.
- The symbols used in this manual are explained below:
  Read especially the notes marked with these symbols:

☠ Warning	Improper usage could lead to death or serious injury
☞ Attention	Improper usage could lead to injury and/or damage to your scooter.
🕮 Suggestion	Follow these instructions to keep your vehicle in a good operating order.

- This manual includes a repair and maintenance record chart and warranty. Please keep it in a safe place or in the scooter.
- If someone else uses the scooter make sure that you provide him or her with this owner's handbook for his or her consideration.
- As designs change some illustrations and pictures in the manual may not correspond to the vehicle that you purchased. We reserve the right to make design modifications.

The **Mercury** range of scooters are part of the Wheeltech range, and have been designed and manufactured to provide a comfortable and secure yet affordable solution for some mobility requirements.

Wheeltech is a brand of Drive Medical. Drive Medical is an ISO 9001 and ISO 13485 certified manufacturer of medical devices, mainly for the mobility sector. Other products in the Drive Medical range include manual wheelchairs, electrically powered wheelchairs, walking aids, bathlifts and bathing equipment and many more mobility aids. All Drive Medical medical devices are CE marked.

2. SAFETY NOTICE

2.1 Before Driving

The user needs to be familiar with the usage and operation of this vehicle before driving. Therefore, please always keep this safety notice in mind.

■ The same traffic rules apply to the use of this vehicle as apply to pedestrians

For your safety, please therefore follow the rules that apply to pedestrians.

- ♦ Ride on the pavement, single carriage roads, or pedestrian areas only. Never ride on motorways or dual carriageways.
- ♦ Be aware of traffic when crossing or using roads.
- ♦ Be extremely cautious when driving your scooter on busy streets or in shopping malls.
- ♦ Please do not drive your scooter after consuming alcohol or when you are tired.
- ♦ Please be careful when driving your scooter in low light. It has not been designed for use at night.
- ♦ The scooter may only be used on the pavement or pedestrian areas at 4mph (6 kph) or less. Use the 4mph switch to ensure you keep within this limit. The scooter may be used on single carriage roads in the 6/8mph switch speed mode (not applicable to M44)

■ Practice operating your vehicle

Before using the scooter in busy or potentially dangerous areas, familiarize yourself with the operation of your scooter. Please practice in a wide and open area like a park. In order to avoid accidents with your scooter whilst driving, please bear in mind driving motions, such as accelerating, stopping, turning, reversing, up-and down ramps.

- ♦ Please turn the speed dial to level 3 for your initial practice.
- ♦ Be sure someone accompanies you for safety when driving on the roads for the first time.
- ♦ Only use higher speed setting when you are confident that you can easily operate and control your scooter.

■ The Mercury Scooter is only to be used by one person at a time

Do not carry passengers on your scooter (including children)

■ Do not use this vehicle to carry or haul goods

- ♦ The maximum weight that can be carried is 136kg (including occupant and any goods). Refer to “MAX LOAD WEIGHT” in “9. SPECIFICATION”
- ♦ The maximum loading weight for basket is 3kg (7lb).

2.2 Whilst Driving

■ **Please carry out daily inspections.** Refer to the section entitled “DAILY CHECKING”

■ **Do not move your body out of the vehicle whilst moving**

- Such action may cause you to lose balance and risk injury from falling.
- Pay attention that your clothes do not tangle in the wheels.

■ **Do not use your vehicle under the following circumstances:**

- On roads with heavy traffic or roads that are muddy, gravelly, bumpy, narrow, snowed over, icy, or canal towpaths not guarded by any fence or hedge. Keep away from places where you might get the wheels stuck.
- Do not drive at night or when it is raining, snowing, misty, or windy.
- Do not drive your vehicle in an “S” pattern or make erratic turnings.
- Do not take the scooter onto escalators.
- UNDER NO CIRCUMSTANCES SHOULD THE SCOOTER BE USED AS A SEAT IN A MOTOR VEHICLE (E.G. CARS, BUSES, TRAINS, ETC).

■ **About Mobile Phone and other electrical equipment**

- Do not use a mobile phone or other wireless communication devices whilst driving.
- Always switch off the scooter and remove the ignition key before using a mobile phone.
- Do not charge the mobile phone or any other electrical devices from your scooter’s battery.

■ **Ramps, incline and drops**

- Do not drive onto steep ramps greater than the specified gradient. Refer to the section entitled “CLIMBING ANGLE” in “9. SPECIFICATION“
- Always use a low speed setting when ascending or descending a gradient.
- Do not drive on roads with large drops or potholes. Refer to the section entitled “MAX. GROUND CLEARANCE” in “ 9. SPECIFICATION”.
- Do not cross water gutters where the width is too big and where there is a risk of getting the wheels stuck.
- Please slow down when driving on roads with inclines.
- Do not make sudden turns when driving on gravel roads or ramps.

2. SAFETY NOTICE

☠ WARNING !

- ♦ Do not set in the freewheel mode when driving on a gradient.
- ♦ Always re-engage the anti-freewheel device before use. Failure to do may result in injury.
- ♦ To protect your safety, the power will automatically cut off and electromagnetic brake system will activate while you are driving down a steep gradient (over 15°). This will limit the speed to a safe level. Turn the power on again to re-start your scooter.
- ♦ **Maximum User Weight Limit**
  Refer to section entitled "MAX. LOAD WEIGHT" in " 9. SPECIFICATION ". Overloading past the weight limit may lead to damage of your scooter or cause it to malfunction and will endanger your safety. The warranty does not cover this type of damage.

2.3 Labelling

Please carefully read all labels on the scooter before driving it. For your future reference, do not remove them.

WARNING

☠ Do not operate the scooter unless the handle bar is in a locked position

☠ Do not lean against or pull forward on the handle bar while mounting or dismounting from the scooter.
Serious harm or injury can occur.

The manufacturer disclaims all responsibility for any personal injury or property damage which may occur as a result of improper use of it's products.

NEVER LIFT THE SCOOTER UP BY THE FRONT OR REAR SHROUD

WARNING:

Radio Waves may affect scooter control.

Radio wave sources, such as radio stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones, can affect powered motorized scooter. Following the warning listed below should reduce the chance of unintended brake release or powered scooter movement which could result in serious injury.

1. Do not turn ON hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, whilst the scooter is turned on.
2. Be aware of near by transmitters, such as radio or TV stations, and try to avoid coming close to them.
3. If unintended movement or brake release occurs, turn the powered scooter OFF as soon as it is safe.
4. Be aware that adding accessories or component, or modifying the powered scooter, may make it more susceptible to interference from radio wave sources. (Note: There is not easy way to evaluate their effect on powered scooters.)
5. Report all incidents of unintended movement or brake release to the powered scooter manufacturer, and note whether there is a radio wave source nearby.

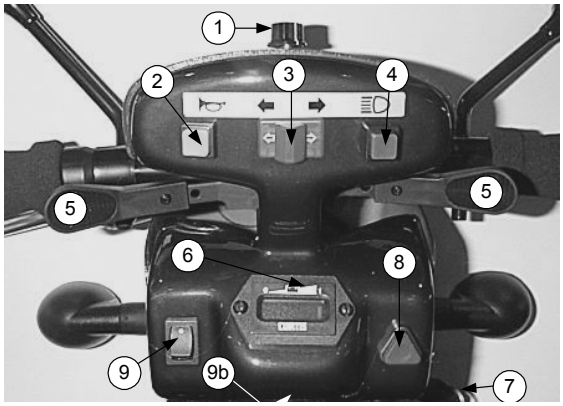
3. PARTS INTRODUCTION

3.1 PARTS DESCRIPTION

1. Speed Dial
2. Rear Mirror (not M44)
3. Indicator Lamp (not M44)
4. Charger Socket Cover
5. Basket
6. Tiller
7. Tiller Adjustment Mech
8. Head Lamp (not M44)
9. Head – Rest (not M44)
10. Arm Rest
11. Seat
12. Seat Angle Adjust Bar (not M44)
13. Reflector
14. Rear Light (not M44)
15. Rear Reflector
16. Freewheel Mode Lever
17. Anti-tip wheels
18. Hand brake Lever (M48 only)

4. OPERATION

4.1 CONTROL PANEL



1. Speed Dial
2. Horn Button
3. Indicator lamp switch (not M44)
4. Head light / Rear Light Button (not M44)
5. Speed Control Lever
6. Battery Indicator
7. Power Switch
8. Hazard switch (M48 only)
9. 4mph limit switch (not M44). (Push left hand side of switch to engage 4mph speed limit, push right hand side of switch to allow full speed) The full speed setting is for use on roads and private land only. Note that on the M36 and M46 this switch is located underneath the battery gauge as denoted by arrow 9b.

4.2 HOW TO OPERATE YOUR SCOOTER

■ Power switch

Turn the key to power ON or OFF

(ON) : Power is turned on

(OFF) : Power is turned off

■ Speed Dial

Turn this dial to determine the maximum speed of the scooter.

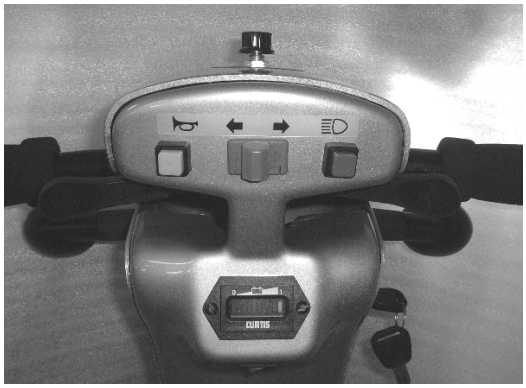
(1 = slowest setting, 10 = fastest setting)

■ Forward, Reverse, and Braking

- Push the speed control lever forwards with your right thumb and the vehicle will move forward.
- Push the speed control lever forwards with your left thumb and the vehicle will move backward.
- The horn will beep when the vehicle is in reverse.
- Release the speed control lever freely while either going forward or reverse, and the electromagnetic brake in the motor will be activated, and the vehicle will stop.

4. OPERATION

■ Indicator Lamp Switch (not M44)



- The light will flash and buzzer will make a beeping sound when turning the switch to the left or right.
  - ← :left signal lamp
  - → :Right signal lamp
- Return the switch back to the middle, the indicator will be cancelled.

■ Horn Button

Press the horn button to sound the horn. Release the button to stop the horn.

■ Light Button (not M44)

Push the light button to switch the front and rear lights on. Push the button again to turn the lights off.

■ Braking

Electro-magnetic brake: Release the speed control lever completely, and the electromagnetic brake will be activated automatically, and the scooter will stop.

☠ Warning

When on a gradient NEVER set the vehicle to the freewheel mode. The electromagnetic brakes will not be applied. This may result in injury.

■ Seat

- The seat can be turned to 45 degrees or 90 degrees.
- Push the seat adjustment bar forward and swivel seat.
- Release the bar, then continue swiveling the seat until it locks in position.
- To alter the recline angle of the seat, fold the seat then adjust the screw at the back of the seat using a spanner.

☞ Attention

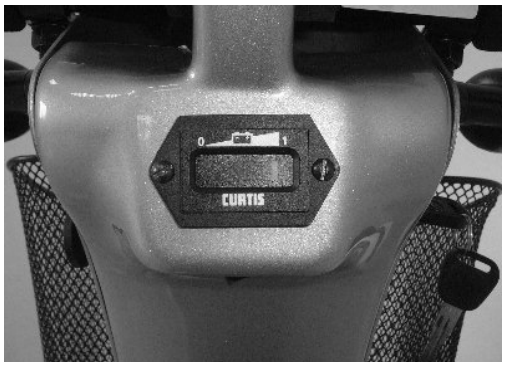
Return the seat to the forward position before driving.

☞ Attention

4mph limit switch. Ensure the limit switch is set to the slowest setting when using the scooter on the pavement. It is an offence to travel at more than 4mph on the pavement.

4. OPERATION

■ Battery Indicator (M36 / M46 / M48)



- When the power switch is turned on the battery indicator will light up with red squares indicating the remaining battery power. The "1" means full power, the "0" means out of power.
- The remaining power indicated by the battery indicator will vary by the actual driving time incurred and how you drive. Repeated starting, stopping, climbing will consume the power more quickly.

■ Battery Indicator (M44)

- The M44 comes with an analogue style battery indicator. The amount of power left the batteries is denoted by how far to the right the needle on the indicator moves.

🕮 Suggestion

1. You should recharge the batteries after each time the vehicle is used to ensure maximum range. The batteries should be charged up at least once a week even if the scooter is not used.
2. After charging or replacing a new battery, drive the vehicle for 2-3 minutes to make sure the battery capacity is sufficient.
3. In wintertime, the battery may respond more slowly and the battery range may be reduced.
4. When driving on a gradient, the battery indicator light might move up and down. This is a normal phenomenon so please do not worry.
5. Even if the battery is used properly, it is natural for the battery's capacity to reduce with time, which results in reduced battery range compared to a brand new battery. Therefore, when you find the battery's range is about only 50% of the range when the batteries were new, it is time to replace the batteries. Please see your dealer about replacement batteries. If you continue to use the old battery when it should be replaced, it could lead to a rapid decline in performance.
6. The battery range will be reduced when driving frequently on a slope or rough terrain, as this leads to greater consumption of power.
7. The batteries have a twelve-month warranty covering manufacturing defects. This warranty does not cover faults due to incorrect battery recharging.

4.3 HOW TO SET TO FREEWHEEL MODE

- Power on mode (Fig. 3.1): Push lever down completely, the scooter can be driven by motor power.
- Freewheel Mode (Fig 3.2) : Lift the lever up completely, the scooter can be moved manually.

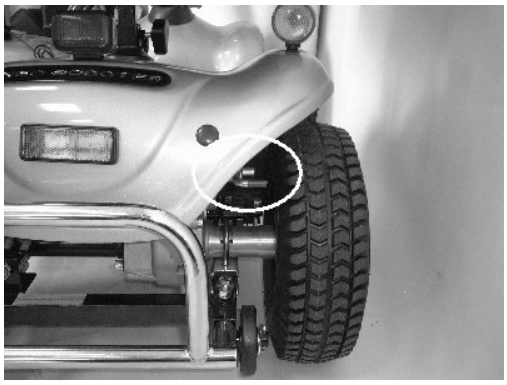


Fig 3.2 Freewheel Mode

■ **Tiller Adjustment** *(not M48)*

The Tiller can be adjusted in three positions by following steps.

1. As you are sat on the seat, turn the knob anti-clock wise to unscrew the bolt.
2. When the bolt has unscrewed, pull the tiller knob and adjust the tiller to a comfortable position.
3. Release the tiller knob and it will spring back. Adjust the tiller slightly until you hear a click meaning the tiller has locked in position. Rescrew the knob by turning clockwise until the knob will turn no more.

■ **Tiller Adjustment** *(M48 only)*

The Tiller can be adjusted with many different positions. To adjust the tiller follow the procedure below:

1. As you are sat on the seat, turn the tiller adjustment knob towards you (i.e. anticlockwise) until the tiller is loose.
2. Select the desired position
3. Retighten the tiller adjustment knob until secure.

■ **Manual Brake** *(M48 only)*

As well as an electromagnetic brake, the M48 has a manual cable brake. Squeeze the brake lever to apply the brake and then release the lever to release the brake.

5. DRIVING ON THE ROAD

■ Starting and Driving

1. Make sure the seat is installed properly.
2. Make sure the tiller has been secured properly.
3. Fold down the armrests so you can rest your arms on them.
4. Turn the power switch to "ON". If necessary, turn on the headlights.
5. Check battery indicator to see whether there is enough power for your trips. If you have any doubt about the remaining power, please recharge the batteries before departure.
6. Set the speed dial to a position you feel safe and comfortable with.
7. Check the forward/reverse speed lever works correctly.
8. Make sure the electromagnetic brake works correctly.
9. Make sure it is safe around you before you drive on the street. Engage the 4mph switch if you are driving on the pavement.

☞ **Attention**

1. Do not push both RH & LH sides of the speed control lever simultaneously. This might leave you unable to control your scooter.
2. Do not turn the power switch to OFF while driving as this will lead to an emergency stop and possible risk of accident and injury.
3. Do not set to the highest speeds whilst driving indoors.
4. Do not adjust the speed dial whilst driving, a sudden change in speed may cause danger to you and others, and may cause damage to your scooter.
5. Do not place magnetic devices near the area of the operation handle as this could affect the safe operation of your scooter.
6. Do be careful whilst driving in heavy traffic or crowded areas.
7. Whilst reversing the vehicle, beware of people or objects behind you.

■ About Driving speed

Speed Scale	Circumstances of Recommended speed
1-3	♦ Speed equivalent as walking slowly by foot ♦ On an incline or decline ♦ Driving indoors or in narrow space
3-6	♦ Speed equivalent as walking normally by foot ♦ Driving outdoors on flat ground
Over 6	♦ Speed equivalent as walking quickly by foot ♦ Driving in an open space.

5. DRIVING ON THE ROAD

■ Stopping

1. Release the speed control lever completely. The vehicle will naturally brake and stop.
2. Turn the power switch to (OFF). Then pull out the key.

☞ **Attention**

- The stopping distance will vary with your forward / reverse speed. Therefore please begin braking as early as you can.
- While parking your scooter, be sure to park on flat ground and then turn the power to "OFF" before you get off.

■ Driving on the pavement

Ensure the 4mph limit switch is set to the slowest setting when using the scooter on the pavement. This will limit the scooter to a maximum speed of 4mph. It is an offence to travel at more than 4mph on the pavement.

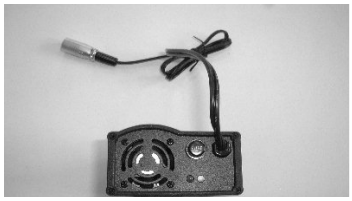
The limit switch can be set to the fastest setting for use on the road or on private ground.

6. BATTERY CHARGING AND CARE

6.1 CHARGING THE BATTERY

Follow the procedure below step by step:

1. Switch off the scooter with the ignition key.
2. Connect the charger's power cord onto the power outlet.
3. Open the charging socket cap on the scooter's tiller. Then connect the charger's round plug to the charging socket.
4. Turn on the switch on the charger.
5. Both the charger's red and orange LED will be lit when beginning charging. The charging duration is about 6 hours. To ensure optimum performance a 10-hour charge is recommended.



6. Both the charger's LED will be lit on when the charging is completed. The orange LED will turn green when charging is complete.
7. Turn off the charger, disconnect the power cord and the round plug from charger socket on the scooter.

🕮 Suggestion

1. Do not disconnect the charger cord if charging is not complete. The battery life will be seriously shortened or decayed if the battery is repeatedly used without being fully charged. Therefore be sure to charge the battery fully every time.

2. Always complete the charging until the charge LED light turns green. NEVER stop charging before it is complete.

3. When fully charged, the battery charger will still trickle charge the battery to ensure optimum range.

4. If you do not use your scooter for a long time, it should be charged at least every week to keep the battery in a fully usable condition.

5. Charging time will be affected by the ambient temperature. Charging time will be longer in the winter.

6. After charging, do not leave the charger socket plugged in to the scooter, as this will cause a power drain on the scooter and temporarily reduce it's range.

7. The batteries carry a twelve-month manufacturer's warranty. This warranty only covers issues relating to manufacturing faults, and not faults relating to failure to recharge the batteries as instructed above.

6. BATTERY CHARGING AND CARE

☞ **Attention: Please follow the rules below to avoid accidents while charging.**

1. Please use the Wheeltech Mercury charger only, and recharge the battery to its full capacity every time. You may damage the battery and scooter if you use a charger which is not to the correct specification.
2. Never disassemble or modify the charger.
3. Please charge in a well-ventilated space where it is not directly exposed to the sunlight. Do not charge in surroundings where it is humid or under rainfall and morning dews.
4. Do not cover with a waterproof cloth or other objects while charging.
5. Do not charge in temperatures less than -10° C or higher than +50°C as the charger may not work well and the batteries may become damaged.

☠ **Warning**

1. Keep away from flammable objects while charging as it may lead to fire or explosion of the battery.
2. Do not smoke while charging as the battery may release hydrogen gas. Always charge your battery in a well-ventilated area.
3. Never connect or disconnect the plug or cord with wet hands whilst charging. Do not connect or disconnect the plug or cord when they are wet, it may lead to electric shock.

6.2 CHARGER

Both the charge's red and orange LED will be switched ON during charging. The orange LED will turn green when charging completed.

☠ **Warning**

The fan inside the charger will be activated accordingly when you turn on the charger.
If you find the fan does not work when connected to charger or the green light is not showing, DO NOT use this charger. It may lead to overheating of the charger and cause fire.

6.3 BATTERY

- Do not expose the battery to temperatures below 10° C or above 50° C when charging or storing the vehicle. Being out of the above temperature range can cause the battery either to freeze or over heat. This will damage the batteries and shorten their life.
- These batteries are maintenance free and there is no need to inspect the battery liquid or refill with water.
- You are required to recharge the batteries on a regular basis. Even if the scooter is stood idle, you should charge the batteries at least once a week.

6. BATTERY CHARGING AND CARE

☠ Warning

Do not open the battery sealed cap at any time.

■ Cleaning the battery

If the batteries are contaminated by water, battery acid, dust or other substances, they will discharge quickly. The batteries supplied with the Mercury scooter are sealed and so should generally are maintenance free with no risk of battery leakage. Please follow the following steps to clean the battery.

1. Turn the scooter power switch to OFF.
2. Remove the seat and dust cover.
3. Remove the shroud and unplug the terminal of the tail light and signal lights.
4. Use a clean cloth to wipe off the soiled area.
5. Take out the battery.
6. Clean the battery with a clean cloth. If the terminal is covered by white powder, please wipe it clean using warm water.

🕮 Suggestions

If necessary, ask for help from your Wheeltech dealer for advice about maintaining and replacing the battery.

🕮 Suggestions

1. Make sure the terminals are installed properly and put the cover back on.
2. Do not use the battery to charge telecom equipment or other items.
3. Battery efficiency will vary with outside conditions, the driving distances will be shorter in the winter. If the vehicle is not used for a long time, please charge the battery at least every week.
4. Replace both batteries together.

7. INSPECTION AND MAINTENANCE

7.1 DAILY CHECKING

Check following items before driving. If your find anything abnormal, contact your Wheeltech dealer for further inspection or advice before using it.

Item	Inspection Content
Handlebar	♦ Is there any looseness? ♦ Can it turn left and right smoothly?
Speed Control Dial	♦ Can it be adjusted freely and does it function well?
Speed Control Lever	♦ Does the scooter move when the lever pressed down? ♦ Does the scooter stop when the lever is released completely?
Motor	♦ Is there an abnormal noise from the motor? ♦ Do the electromagnetic brakes work properly?
Freewheel Mode	♦ Does the freewheel mode lever work properly?
Battery Indicator	♦ Is the light on when the power switched on? ♦ Is the remaining power enough for your trip?
Horn	♦ Does the horn work?
Turn signal	♦ Does the turn signal work?
Headlight	♦ Does the headlight work?
Taillight	♦ Does the tail light work?
Seat	♦ Can the seat swivel smoothly?
Reflector	♦ Is the reflector present and correct?
Rearview Mirror	♦ Are the rearview mirrors present, correct and adjusted for the user?
Tyres	♦ Are there any cracks or other damage to the tyres? ♦ Check the tyre tread depth.
Other	♦ Are there any abnormal noises? ♦ Is there oil leakage from transmission box?

☞ **Attention**

Go to your Wheeltech dealer for inspection and maintenance if you find anything wrong.

7.2 REGULAR CHECKING RECORD

To make sure your scooter is correctly serviced, take it to your Wheeltech dealer for regular maintenance checks. This should be at intervals of six months after the first inspection after one month. Your dealer may charge a fee for this.

> 🕮 **Suggestion**
> Even if you do not use the vehicle for a long time it should still be regularly maintained.

I – Inspection A-Adjusted R-Repaired P- Part replaced
T – Tightening C - Cleanse L - Add Oil

Item \ Period		1 mth	6 mth	12 mth	18 mth	24 mth	30 mth
Oper-ati on Panel	Forward/Reverse of speed lever						
	The function of switches						
	Connection of Socket / Plug is good						
Motor	Operation and Noise						
	Function of Electromagnetic Brakes						
	Connection of Socket / Plug is good						
Transmi -ssion	Freewheel mode lever						
	Any oil leakage from transmission box						
Battery	Looseness or corrosion on terminals						
	Connection of Socket / Plug is good						
	Any broken on electrical cord						
Charger	Charging function and LED light						
	Any damage to Socket / Plug / Cord						
	Fan is functioning well or any noise						
Seat	Angle adjustment bar damaged						
	Seat post looseness						
Tiller	Right /Left Turn of tiller						
	Adjustment of Tiller angle						
Tyre	Crack or damage of tyre surface						
	Sufficient tread depth						
	Abnormal wearing						

Item \ Period		1 mth	6 mth	12 mth	18 mth	24 mth	30 mth
Wheel Rim	Tightness of bolts and nuts						
	Wear or deformation around tires						
Shock Absorber	Tightness of bolts and nuts						
	Damage to shock absorbers						
Inspector	Checked by						
	Checking date						

7.3 BATTERY, FUSE AND TYRE

■ Battery

Refer to the section entitled " 6.3 BATTERY" in "6. BATTERY CHARGING AND CARE ".

■ Fuse

If the battery charger is turned on and no LEDs are lit, check the fuse.

> 🕮 **Suggestion**
> Ask for help from your Wheeltech dealer to inspect or replace the fuse, since the tiller shroud has to be removed first before you can replace the fuse.

■ Tyres

The condition of the tyres depends on how you drive and use your scooter.

♦ Inspecting Tyre Tread

Please check the tread depth regularly. Replace the tyres when the tread depth is less than 0.5 mm.

> ☞ **Attention**
> 1. When tread depth is below 0.5mm it can easily lead to vehicle slippage, making braking distances longer. Therefore replace the tyres as early as possible when they are found to have insufficient tread depth.
> 2. The tyre pressure shall be kept at about 26 PSI (approx. 1.8KG/cm) for the best ride and handling.

7.4 MAINTENANCE

- You must maintain the vehicle frequently if you always drive on grass, sand, or gravel surfaces.
- Do not use water, oil or other chemical solutions to clean your scooter. Be sure NOT to spray the vehicle with a hose or tap to prevent damaging the electronic components or the circuit board. Please clean the vehicle by wiping it with either a dry or damp cloth.
- Please take the vehicle to authorized Wheeltech Dealers for repairs and adjustments. Improper adjustments could lead to accidents and scooter malfunction.
- Please use a soft, wrung dry cloth to keep your scooter tidy and dust-free. Please use natural or mild detergent to clean the scooter.

☞ **Attention**

When conducting maintenance of your vehicle, please turn the power switch to OFF and remove the charger cords.

🕮 **Suggestions**

- Do not splash water directly to wash your scooter as this could lead to malfunction of the system electrics.
- Do not use petrol, solvents or vaporizing solution as these may deform or damage the shrouds.
- Do not use wax.

7.5 STORAGE

Make sure the vehicle is stored under the following circumstances:

- Make sure the seat is set in the "Forward" position
- Make sure the Power switch is turned to OFF

🕮 **Suggestion**

Please store the scooter in a location where it is out of direct sunlight, rain, or dew. When storing for a long time, please charge the battery to full power and then disconnect the battery terminal. For more details please contact your Medicare Dealer.

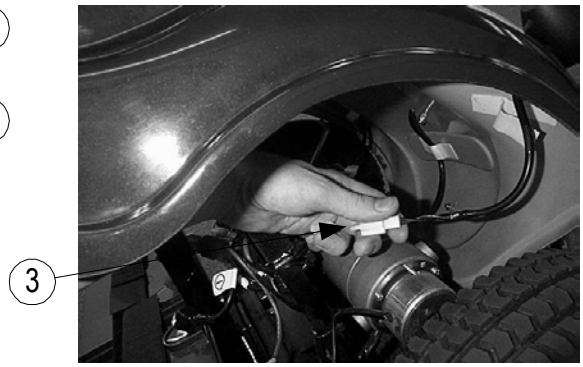
7.6 MOVING ABOUT

- Turn the power switch OFF before moving.
- Lift the scooter by the chassis, and not by the bumpers. Lifting the scooters by the bumper could cause damage or injury.
- For your safety, always ask for helper if required. You will need 2 or 3 persons when moving or lifting the vehicle.

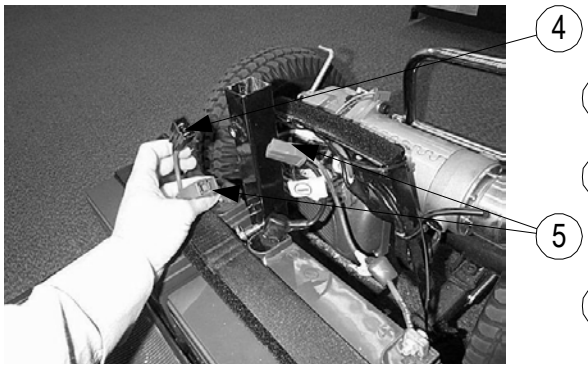
7.7 DISASSEMBLING THE M36 / M44 / M46 SCOOTER

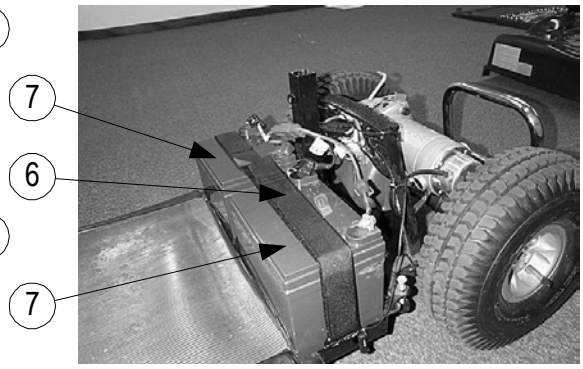
♦ The procedures for assembling and disassembling are the same for the M36, M44 and M46 scooters. The following procedure is to disassemble the scooter for transportation:

1. Switch off the scooter at the key ignition
2. Unscrew the seat securement handles and remove seat. Be careful with the seat as it is heavy.
3. Remove the rubber shroud cover (1) and lift the rear shroud up (2). Disconnect the rear light loom at the connector (3) and remove the rear shroud completely (as shown in the photographs below).

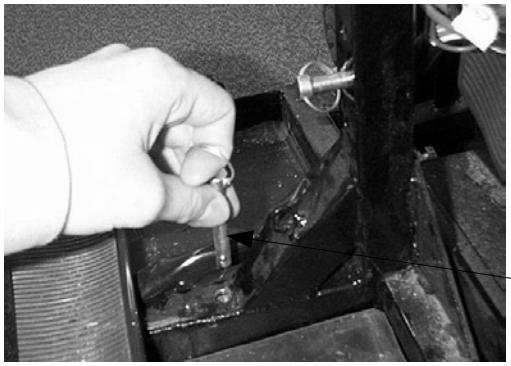


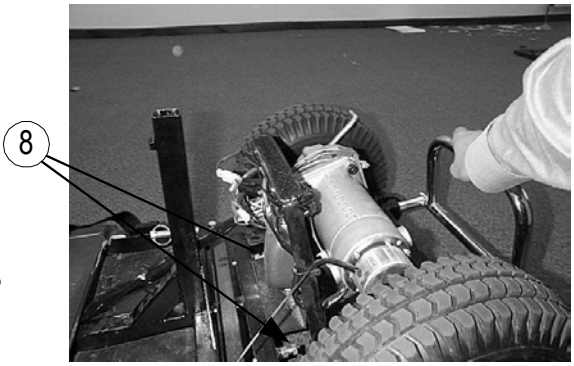
4. Next, Disconnect the batteries by disconnecting the red connector from the red connector (4) and black connector from the black connector (5). Then, undo the hook-and-loop strap (6) and remove the batteries (7). Please see the photographs below.





5. Disconnect the main loom to separate the wiring between the front and rear of the scooter (not shown) and loosen the two tension bolts on either side of the scooter. (The tension bolts are shown by point 8 overleaf). Pull up and remove the locking pin (9). Then pull the two halves of the scooter apart to separate.





7.8 ASSEMBLING THE M36 / M44 / M46 SCOOTER

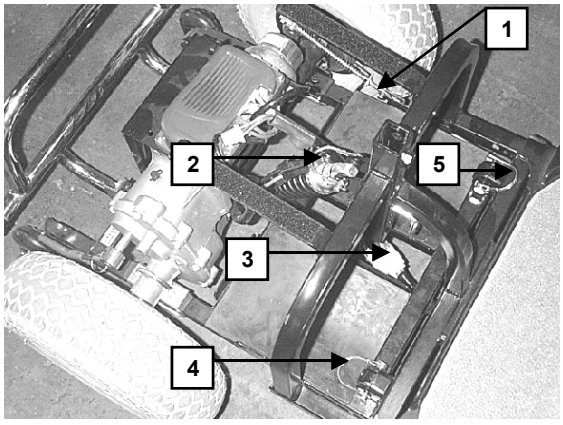
🕮 Suggestions
The assembly process is essentially the disassembly process in reverse. First study the text and photographs in the disassembly procedure before re-assembling the scooter.

1. Push the two halves of the scooter together and reinsert the locking pin. Reconnect the main loom.
2. Reinstall the batteries and secure them with the hook-and-loop strap.
3. Reconnect the batteries ensuring the two red connectors are together, and the two black connectors are together. DO NOT CONNECT A RED CONNECTOR TO A BLACK CONNECTOR.
4. Reconnect the rear light loom and replace the rear shroud and rubber shroud cover.
5. Replace the seat and secure with the two securement handles.

7.9 DISASSEMBLING THE M48 SCOOTER

The Mercury M48 has recently been improved and now comes complete with a chassis that can be split down for easier transportation purposes.

The above picture shows the five points at which work must be carried out to dismantle the scooter, this has been provided to give you a general overview of the disassembly procedure. The following passage and pictures have been laid out as a step by step process to follow.

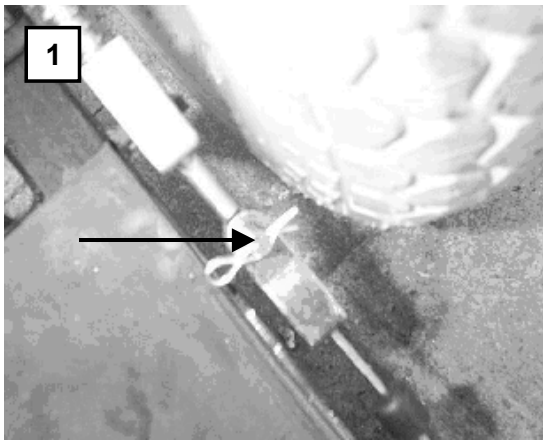


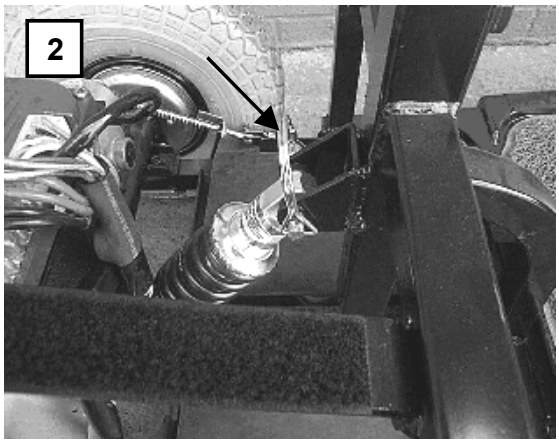
For information about removing the rear shroud refer to section 7.7 point 3.

For information about removing the batteries refer to section 7.7 point 4.

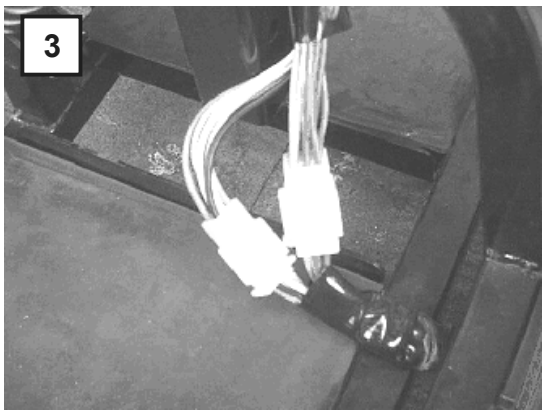
The above picture shows the five points at which work must be carried out to dismantle the scooter, this has been provided to give you a general overview of the disassembly procedure. The following passage and pictures have been laid out as a step by step process to follow.

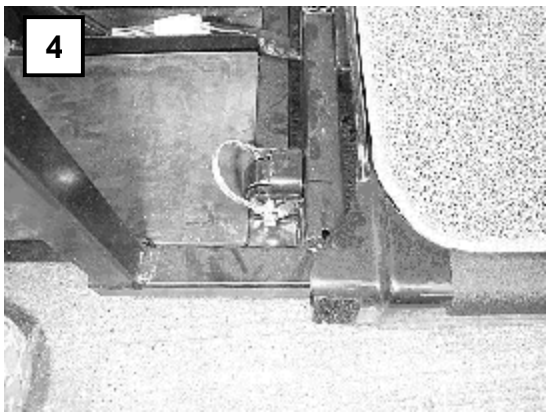
Having removed the batteries from the scooter the first step is to remove the r-clip in the manual brake mechanism, which in turn allows the pin to be removed thus splitting the brake cable:





Secondly remove the locking pin located in the top of the rear shock absorber. Following this it is then necessary to disconnect the two loom connectors located in between the two battery trays so that the chassis can be separated. A picture of the loom connectors can be seen below:





Once you have disconnected the two loom connectors and removed both the frame locking pins, from positions four and five, the chassis is ready to be split down into two pieces.

7.10 ASSEMBLING THE M48 SCOOTER

In order to reassemble your scooter, simply follow the above guidelines in a reverse order.
Please refer the relevant parts of section 7.8 for procedures for reinstalling the batteries and shroud.

8. TROUBLE SHOOTING

■ **When you have trouble with your scooter**

♦ You can inspect the following before taking your scooter to the Wheeltech dealer.

Problem	Checking points and corrective action
Won't start	♦ Is the power switch set OFF? ↓ Turn the power switch to ON
	♦ Does the battery still have power? ♦ Is the battery indicator light on? ↓ Charge the battery.
	♦ Is the charger plugged on the scooter? ↓ Unplug the charger and put away the cord.

■ If you can not solve the problem by yourself, contact your WHEELTECH dealer for help.

9. SPECIFICATION

Model Reference	MERCURY M36	MERCURY M44	MERCURY M46	MERCURY M48
Dimension (L x W x H)	1160 x 620 x 1080mm 46” x 24” x 43”	1190 x 620 x 1080mm 47” x 24” x 43”	1190 x 620 x 1080mm 47” x 24” x 43"	1530 x 650 x 1150mm 60” x 26” x 43”
Weight(Kg),including battery	78 Kg / 172 lbs	84 Kg / 185 lbs	84 Kg / 185 lbs	106 Kg / 233 lb.
excluding battery	48 Kg / 106 lbs	54 Kg / 119 lbs	54 Kg / 119 lbs	77 Kg / 170 lb.
Propulsion motor	400W x 1	400W x 1	400W x 1	550W x 1
Battery	12V 34/Ah x 2	12V 34/Ah x 2	12V 34/Ah x 2	12V 44/Ah x 2
Charger	DC24V 5A	DC24V 5A	DC24V 5A	D24V 5A
Front Tyre	2.80/2.50-4 x 1	4.00-4 x 2	4.00-4 x 2	4.00-5 x 2
Rear Tyre	3.00-4 x 2	4.00-4 x 2	4.00-4 x 2	4.00-5 x 2
Driving System	Direct drive the rear wheels (with differential gear)			
Brake System	Electromagnetic brakes			
Control Method	By speed control lever			
Top Speed (Forward)	9 km/h \ 6 MPH	6 km/h \ 4 MPH	9 km/h \ 6 MPH	12km/h / 8 MPH
Reverse	4 km/h \ 3 MPH	4 km/h \ 3 MPH	4 km/h \ 3 MPH	8km/h / 5 MPH
Climbing angle	12°	12°	12°	12°
Cruising range (see note)	36km / 20 Miles	36km / 20 Miles	36km / 20 Miles	40km / 25 Miles
Min. turning radius	900 mm / 35”	1200 mm / 47”	1200 mm / 47”	1250mm / 40”
Ground clearance	80 mm / 3.2”	80 mm / 3.2”	80 mm / 3.2”	100mm / 4"
Max. cross width	180 mm / 7”	180 mm / 7”	180 mm / 7”	180mm / 7"
Max. load weight (including goods)	136 kg / 21 stone	136 kg / 21 stone	136 kg / 21 stone	136 kg / 21 stone

Remark: The manufacturer keeps the right to modify the specification if needed. The final specification is subject to the individual scooter you purchase from your dealer.

Note:

Maximum driving distance is based on ambient temperature of 20°C, a 75kg driver and a brand new fully charged battery with a constant driving speed at 6 km/h with 70% battery power discharged.

10. WARRANTY

10.1 VIN (VEHICLE INDIFICATION NUMBER)

To ensure the correct after sales service and warranty service support, please write down the vehicle identification number that is stuck on the back right-hand side of the frame.

Model	M36 / M44 / M46 / M48 *(delete as approp.)*		
VIN			
Motor serial #		Key #	

10.2 WARRANTY POLICY

■ Contents of Warranty

1. Replacement parts will be supplied free-of-charge if the scooter parts are deemed to have failed due to a manufacturing fault. (a repair of this kind will hereafter be called Warranty repair).
2. Warranty repairs can only be carried out by authorized Wheeltech dealers.
3. The transportation costs for repair and replacement shall be the purchaser's responsibility.
4. Replaced parts will become the property of Wheeltech

■ Warranty duration and parts covered by the warranty

Parts	Warranty Duration
General Items	1 year from date of purchase
Frame	3 year from date of purchase
Battery	1 year from date of purchase

10.2.2 Items Not Covered By Warranty

■ **Items listed below**

1. Consumable parts such as brake shoe or pad, clutch shoe and lining, bulbs, fuses, upholstery and seating, brake cable, oil seal packing and gasket, screw and washer, lubricant oil and grease, carbon brush inside motor, battery liquid, and footrest carpet etc.

2. A sensation or feeling which does not affect the quality and function of the scooter, such as a noise or vibration.
3. Wear and tear resulting from normal or exceptional usage as well as deterioration resulting from the lapse of time. (natural fading and deterioration of paint, electroplating, plastic parts, etc).
4. Damage due to lack of maintenance or improper use or operation or storage.
5. Fees for procedural inspections, adjustments, adding oil, cleaning, and other maintenance.
6. Fees for the regular service inspections and maintenance.
7. Any fees incurred as a result of the warrantee repair, loses or compensation because of the inability to use the electric vehicle (telephone use, shipping, car rental, travel fees, etc).

■ **Problems caused by the following reasons are not covered:**

1. Failure to carry out the regular inspection and maintenance recommended in this owner's manual.
2. Improper storage.
3. Tampering by changing or adding components to the vehicle which are not approved by Wheeltech.
4. Damage caused by using non-Wheeltech original parts or any parts not recommended by Wheeltech.
5. Abuse or misuse of the vehicle such as driving over kerbs, overloading by passengers or goods.
6. Driving in places that the vehicle should not normally be driven or used.
7. Damage or surface corrosion from environment conditions such as airborne fallout (chemicals, tree sap, etc.) stones, hail, windstorm, lighting, flood, etc.

10.2.3 The responsibility of user

1. Proper use of the vehicle in accordance of this Owner's Manual.
2. To carry out of daily inspections
3. To carry out of the regular maintenance set by this company.
4. Keep a record of vehicle inspection and maintenance in this Owner's Manual

10.2.4 Warranty effectiveness

The warranty must be completely filled out and stamped by the Wheeltech Dealership where it was purchased.

10.2.5 Transfer of warranty rights

If you have bought a second-hand Wheeltech Mercury which is still within the warranty period, take it to your Wheeltech Dealer to update the warranty details.

10. WARRANTY

Warranty Application Form

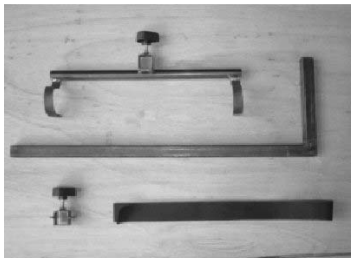
Name				
Sex	☐ Male ☐ Female			
Date of Birth	Year Month Day			
Address				
Model	☐ Mercury M36 ☐ Mercury M44 ☐ Mercury M46 ☐ Mercury M48			
VIN	Scooter VIN:			
	Motor Serial No:		Key #	
Date of Purchase	Year Month Day			
Purchaser Signature				

Dealer's Data

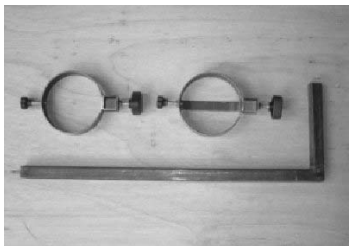
Name of Store	
Address: (Stamp)	
Telephone:	

11. ACCESSORIES

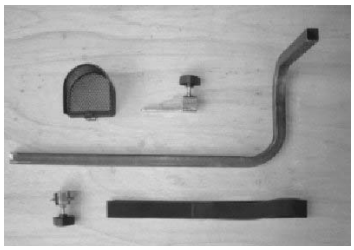
A wide range of accessories are available for the Mercury range including:



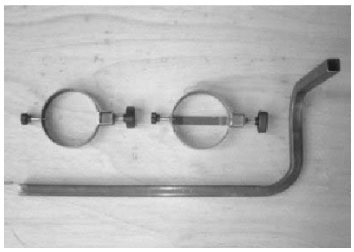
WUA001 Walker holder



WUA002 Oxygen bottle holder



WUA004 Walking cane holder



WUA004 Oxygen bottle holder

ALARM1 Scooter alarm

Scooter Canopies

As well as the above, there are a number of general scooter accessories from your Medicare dealer

Your Mercury electric scooter is a **Wheeltech** branded product

Wheeltech is a brand of Drive Medical Ltd.

Drive Medical is a high quality ISO 9001 and EN46001 certified Medical Device Manufacturer. All Drive Medical medical devices are CE marked.

For more information contact:
Drive Medical
Ainley's Industrial Estate,
Elland, West Yorkshire HX5 9JP.
Tel: +44 1422 314488
Fax: +44 1422 314489
Email: enquiries@drivemedical.co.uk
Web: www.drivemedical.co.uk

Other products in the Drive Medical range include:

Electric scooter accessories

Manual Wheelchairs

Electrically Powered Wheelchairs

Mini-Scooters

Electric bathlifts

Grab Rails

Electric rise and recline Armchairs

Walking Canes and other mobility devices.